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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/654,947 | 09/05/2003 | Christopher Dean | 242503US2 | 7957 |
| 22850 | 7590 | 06/06/2007 | | |
| OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314 | | | EXAMINER ANYA, CHARLES E | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2194 | |
| | | | NOTIFICATION DATE | DELIVERY MODE |
| | | | 06/06/2007 | ELECTRONIC |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com
oblonpat@oblon.com
jgardner@oblon.com

| | | | |
|------------------------------|-------------------------------|-----------------------------|--|
| Office Action Summary | Application No. 10/654,947 | Applicant(s) DEAN ET AL. | |
| | Examiner Charles E. Anya | Art Unit 2194 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 9/5/03.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>4/8/05</u> . | 6) <input type="checkbox"/> Other: _____ |

William Thompson
Supervisory Patent Examiner
Art Unit 2194

DETAILED ACTION

1. Claims 1-16 are pending in this application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-16 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pub. No. 2003/0046441 A1 to Rau et al.**

3. As to claim 1, Rau teaches an apparatus for processing a request for execution of one of a plurality of actions, each action having a specific semantic for input arguments to be provided to said action, said request for execution having a plurality of parameters, a first parameter of said plurality of parameters designating an action within said plurality of actions and a second parameter of said plurality of parameters for referencing a plurality of data elements arranged according to the specific semantic for input arguments to be provided to said action (“...methods, along with their input, output and return data structures...” page 2 paragraph 0028), said apparatus comprising: an

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interface for receiving said request for execution (“... application programmer interface (API)...” page 2 paragraph 0028, “...API...” page 5 paragraph 0036); and an agent for selecting said designated action, executing said selected action and providing as input arguments to said action said plurality of data elements (“...public interface TwRepository {...” page 3 paragraph 0030, Server Object 30 page 5 paragraph 0037, Servlet 45/Action Manager page 6 paragraph 0044).

4. As to claim 2, Rau teaches the apparatus of claim 1, a third parameter of said plurality of parameters for referencing additional data elements for receiving a return value generated by said action, said agent further for receiving into said additional data elements referenced from said third parameter a return value generated by said action (“...output and return data structures...” page 2 paragraph 0028).

5. As to claim 3, Rau teaches the apparatus of claim 2 wherein said second parameter and said third parameter are the same parameter (“...output and return data structures...” page 2 paragraph 0028).

6. As to claim 4, Rau teaches the apparatus of claim 1 further having access control and validation constraints to be validated before execution of said selected action, and said agent further for validating said request for execution using said access control and validation constraints before executing said selected action (“...checking if a workspace is equal to a given object, checking whether a given workspace physical exists,

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checking whether a user has access for a specified operation..." page 3 paragraph 0031, page 4 paragraph 0033, page 6 paragraph 0044).

7. As to claim 5, Rau teaches the apparatus of claim 1 further comprising a manager for creating, modifying and deleting an action in said plurality of actions ("...Deletes...Renames...Registers...Un-registers..." page 0034 paragraph 0034, page 5 paragraph 0037).

8. As to claim 6, Rau teaches the apparatus of any of claims 1 to 5 wherein each of said plurality of actions is a functional process ("...application programmer interface (API)..." page 2 paragraph 0028).

9. As to claims 7-11, see the rejection of claims 1-4 and 6 respectively.

10. As to claims 12-16, see the rejection of claims 1-4 and 6 respectively.

Conclusion

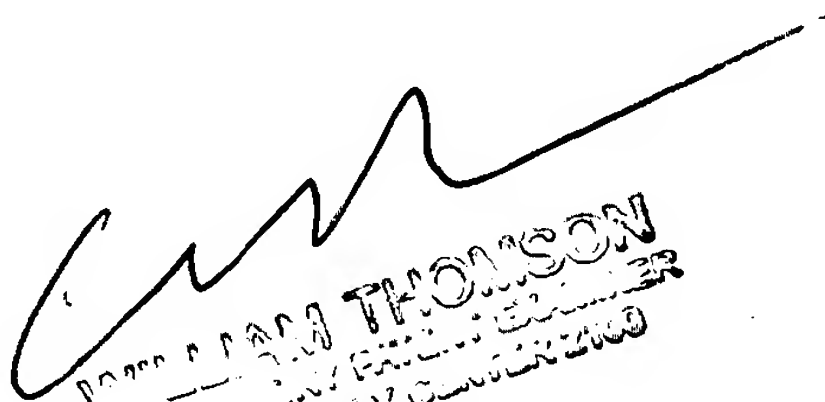
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles E. Anya whose telephone number is 571-272-3757. The examiner can normally be reached on 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on 571-272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

cea.


WILLIAM THOMSON
Supervisor, Patent Examiner
TECHNOLOGY CENTER 2194